



## Water Sample Application

**Fee = \$30.00 per type of sample chosen below plus cost of bottle\***

**\*(Cost of bottle on second page of application)**

☐ Total Coliform   ☐ Fecal Coliform   ☐ Iron   ☐ Sulfur/Sulfate   ☐ Pseudomonas   ☐ Heterotropic Plate Count   ☐ Inorganic Panel (Coal Ash Testing)   ☐ Inorganic Panel (Metals, Anions, Nitrate/Nitrite)   ☐ Inorganic Panel (Metals, Anions)   ☐ Hexavalent Chromium   ☐ Metals Panel   ☐ Fluoride   ☐ Nitrate/Nitrite   ☐ Arsenic   ☐ Pesticides   ☐ Herbicides   ☐ Petroleum Products   ☐ Volatile Organic Chemicals   ☐ Other ☐ \_\_\_\_\_

**Existing Wells-Please indicate if you would like to have sample taken from outside ☐ or inside ☐.**  
*If sample is taken inside owner must be present .We will call daytime phone number to schedule appointment.*

**Water sample results will be sent by e-mail unless requested otherwise.**

Property Owner\* \_\_\_\_\_  
 Property Owner's Mailing Address \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
 Property Owner's Daytime Telephone \_\_\_\_\_ Cell Phone Number \_\_\_\_\_  
**Property Owner's Email Address** \_\_\_\_\_

Street Address of Well Location \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
 Subdivision or Mobile Home Park Name and Lot Number \_\_\_\_\_

Parcel Number \_\_\_\_\_  
 Person Requesting Sample \_\_\_\_\_  
 Daytime Phone Number \_\_\_\_\_ Cell Phone number \_\_\_\_\_  
**Applicant's Email Address** \_\_\_\_\_

**\* If applicant for service is not the property owner, a signed Legal Representation Document is required to be submitted with this form.**

**Directions to property where well is located.**

**Well location on property. Be specific.**

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☐ Private Water Supply   ☐ Community Water   ☐ Shared Well   ☐ Livestock   ☐ Irrigation Well

Well Driller's Name (If Known) \_\_\_\_\_

☐ Drilled Well   ☐ Bored Well   ☐ Dug Well   ☐ Spring   ☐ Other

**I authorize County and State Environmental Health Specialists right of entry to conduct necessary inspections to determine compliance with applicable laws and rules to include requested water sampling.**

Signature \_\_\_\_\_ Date \_\_\_\_\_  
 (Well Owner or Legal Representative)



**Lee County Environmental Health**

Post Office Box 1528- Sanford, NC 27331

Phone 919-718-4641 - Fax 919-718-4636

*Promoting better health and a safe environment for all Lee County residents*

## Environmental Health Well-Water Testing Fee Schedule

Category	Cost of Bottle	County Cost	Total Cost
Full Well Panel			
Inorganic Chemistry and Microbiology	*This sample is pulled for each new private well application		
Microbiology			
Total Coliform/E. Coli P/A-Enzymatic	\$23	\$30	\$53
Total Coliform/E. Coli MPN-Enzymatic	\$26	\$30	\$56
Fecal Coliform, MPN(Quantitray)-Enzymatic	\$26	\$30	\$56
Fecal Coliform/Fecal Streptococcus-MTF	\$45	\$30	\$75
Enterococcus, MPN (Quantitray)-Enzymatic	\$27.30	\$30	\$57.30
Iron Bacteria	\$29.40	\$30	\$59.40
Sulfur/Sulfate-Reducing Bacteria	\$36.75	\$30	\$66.75
Pseudonomas-MTF or MPN (Quantitray) Enzymatic	\$26	\$30	\$56
Heterotrophic Plate Count	\$20	\$30	\$50
Inorganic Chemistry			
Inorganic Panel (Coal Ash Testing)	\$65	\$30	\$95
Inorganic Panel (Metals, Anions, Nitrate/Nitrite)	\$65	\$30	\$95
Inorganic Panel (Metals, Anions)	\$60	\$30	\$90
Hexavalent Chromium	\$50	\$30	\$80
Metals Panel	\$57.75	\$30	\$87.75
Individual Metals (1-3 maximum from above, plus Uranium)	\$42	\$30	\$72
Anions-Fluoride, Chloride, and Sulfate	\$26.25	\$30	\$56.25
Disinfection By-Products-Bromide, Bromate, Chlorite, Chlorate	\$26.25	\$30	\$56.25
Fluoride-Physician, Dentist	\$26.25	\$30	\$56.25
Nitrate/Nitrite	\$25	\$30	\$55
Arsenic Speciation	\$26.25	\$30	\$56.25
Organic Chemistry			
Pesticides	\$74	\$30	\$104
Herbicides	\$74	\$30	\$104
Petroleum Products	\$74	\$30	\$104
Volatile Organic Chemicals	\$74	\$30	\$104
All Laboratories			
Other Testing	Contact Environmental Sciences laboratory management 919-733-7308		

See second page of application for explanation of the well-water testing profiles above.

# State Laboratory of Public Health – Environmental Sciences Unit

## Well-water Testing Profiles

### Full Well Panel – Microbiology and Inorganic Chemistry

Category	Description
Full Panel	Alkalinity, Arsenic, Barium, Cadmium, Calcium, Chromium, Nitrate/Nitrite, Chloride, Copper, Fluoride, Hardness (Total), Iron, Lead, Manganese, Magnesium, Mercury, pH, Selenium, Silver, Sodium, Sulfate, Zinc, Total Coliform/ <i>E. coli</i>

### Microbiology

Category	Description
Total Coliform/ <i>E. coli</i> , P/A	Presence/Absence testing using an enzymatic procedure.
Total Coliform/ <i>E. coli</i> MPN	Enzymatic procedure using the Quantitray system.
Fecal Coliform, MPN (Quantitray)	Enzymatic procedure using the Quantitray system. This method does not determine the number of Total Coliform present in the sample.
Fecal Coliform/Fecal Streptococcus – MTF	Cultural methods using serial dilutions.
Enterococcus, MPN (Quantitray) – Enzymatic	Enzymatic procedure using the Quantitray system.
Iron Bacteria	Centrifugation followed by a microscopic examination.
Sulfur/Sulfate – Reducing bacteria	Presence/Absence testing for sulfur bacteria and for sulfate-reducing bacteria. This method requires a 30-day incubation period.
Pseudomonas – MTF or MPN (Quantitray) Enzymatic	Quantitative determination of the number of Pseudomonas present in a sample using either the Quantitray MPN or cultural MTF.
Heterotrophic Plate Count	Direct plating of multiple sample dilutions.

**Other testing:** Contact Environmental Sciences laboratory management 919-733-7308

P/A = Presence/Absence

MPN and MTF = Most Probable Number and Multiple Tube Fermentation – quantitative techniques

## **Inorganic Chemistry**

<b>Category</b>	<b>Description</b>
Full Inorganic Panel	Alkalinity, Arsenic, Barium, Cadmium, Calcium, Chloride, Chromium, Nitrate/Nitrite, Copper, Fluoride, Hardness (Total), Iron, Lead, Manganese, Magnesium, Mercury, pH, Selenium, Silver, Sodium, Sulfate, Zinc
Inorganic Panel without Nitrate/Nitrite	Alkalinity, Arsenic, Barium, Cadmium, Calcium, Chloride, Chromium, Copper, Fluoride, Hardness (Total), Iron, Lead, Manganese, Magnesium, Mercury, pH, Selenium, Silver, Sodium, Sulfate, Zinc
Coal Ash Inorganic Panel – a complete evaluation should include the Hexavalent Chromium test below	Alkalinity, Arsenic, Barium, Cadmium, Calcium, Chloride, Total Chromium, Copper, Iron, Lead, Manganese, Magnesium, Mercury, Selenium, Sodium, Sulfate, Zinc, Hardness (Total), Aluminum, Antimony, Beryllium, Boron, Cobalt, Molybdenum, Nickel, Potassium, Strontium, Thallium, Vanadium, Total Suspended Solids, Total Dissolved Solids
Hexavalent Chromium	Hexavalent Chromium
Metals panel	Arsenic, Barium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Manganese, Magnesium, Mercury, Selenium, Silver, Sodium, Zinc
Individual metals	1 – 3 maximum from above, with the addition of Uranium to the sample selection
Lead follow-up	1 – 3 samples from same site collected at multiple time intervals
Anions	Fluoride, Chloride, and Sulfate
Disinfection By-Products	Bromide, Bromate, Chlorite, Chlorate
Fluoride only – Physician, Dentist	Fluoride
Nitrate/Nitrite only	Nitrate, Nitrite
Arsenic speciation	Arsenic <sup>+3</sup> and Arsenic <sup>+5</sup> – Total arsenic must have been previously determined and found to be ≥10 ppb.

**Other testing:** Contact Environmental Sciences laboratory management 919-733-7308

## **Organic Chemistry**

<b>Category</b>	<b>Description</b>
Pesticides	Chlorinated pesticides, Nitrogen-phosphorous pesticides or Glyphosate
Herbicides	Chlorinated acid herbicides
Petroleum Products	Petroleum Analysis and VOC scan
Volatile Organic Chemicals (VOC)	Volatile Organic Compounds

**Other testing:** Contact Environmental Sciences laboratory management 919-733-7308

